

Release notes for ENDF/B Development n-036\_Kr\_086  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=3649, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=3649, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 231 TO 277
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=3649, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=3649, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 231
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3649, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 279
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 492
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 516
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 540
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 553
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 564

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 571

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 583

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 593

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 606

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 618

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 54 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 54  
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 630

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 55 (0): Directory (b)*

ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 55  
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 642

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 56 (0): Directory (b)*

- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 56 |                   |
| SECTION 3/ 56 NOT IN DIRECTORY            | RECORD NUMBER 653 |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 57 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 57 |                   |
| SECTION 3/ 57 NOT IN DIRECTORY            | RECORD NUMBER 664 |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 58 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 58 |                   |
| SECTION 3/ 58 NOT IN DIRECTORY            | RECORD NUMBER 674 |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 59 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 59 |                   |
| SECTION 3/ 59 NOT IN DIRECTORY            | RECORD NUMBER 684 |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 60 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 60 |                   |
| SECTION 3/ 60 NOT IN DIRECTORY            | RECORD NUMBER 694 |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT= 91 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT= 91 |                   |
| SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER 703 |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT=102 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT=102 |                   |
| SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER 712 |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT=103 (0): Directory (b)*
- |   |                   |
|---|-------------------|
| ERROR(S) FOUND IN MAT=3649, MF= 3, MT=103 |                   |
| SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER 731 |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT=104 (0): Directory (b)*

- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 3, MT=104 |               |     |
|  | SECTION 3/104 NOT IN DIRECTORY            | RECORD NUMBER | 744 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT=105 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 3, MT=105 |               |     |
|  | SECTION 3/105 NOT IN DIRECTORY            | RECORD NUMBER | 755 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 3, MT=107 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 3, MT=107 |               |     |
|  | SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER | 764 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 2 (0): Directory (b)*
- |  |  |               |     |
|--|--|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 2 |               |     |
|  | SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER | 780 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 16 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 16 |               |     |
|  | SECTION 4/ 16 NOT IN DIRECTORY            | RECORD NUMBER | 948 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 17 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 17 |               |     |
|  | SECTION 4/ 17 NOT IN DIRECTORY            | RECORD NUMBER | 959 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 22 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 22 |               |     |
|  | SECTION 4/ 22 NOT IN DIRECTORY            | RECORD NUMBER | 970 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 28 (0): Directory (b)*
- |  |   |               |     |
|--|---|---------------|-----|
|  | ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 28 |               |     |
|  | SECTION 4/ 28 NOT IN DIRECTORY            | RECORD NUMBER | 981 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 51 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 51 | RECORD NUMBER | 992 |
| SECTION 4/ 51 NOT IN DIRECTORY            |               |     |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 52 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 52 | RECORD NUMBER | 1015 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 53 | RECORD NUMBER | 1038 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 54 | RECORD NUMBER | 1061 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 55 | RECORD NUMBER | 1084 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 56 | RECORD NUMBER | 1107 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 57 | RECORD NUMBER | 1130 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 58 | RECORD NUMBER | 1153 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 59 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 59 | RECORD NUMBER | 1176 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 60 | RECORD NUMBER | 1199 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 4, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 4, MT= 91 | RECORD NUMBER | 1222 |
| SECTION 4/ 91 NOT IN DIRECTORY            |               |      |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 5, MT= 16 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 5, MT= 16 | RECORD NUMBER | 1246 |
| SECTION 5/ 16 NOT IN DIRECTORY            |               |      |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 5, MT= 17 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 5, MT= 17 | RECORD NUMBER | 1291 |
| SECTION 5/ 17 NOT IN DIRECTORY            |               |      |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 5, MT= 22 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 5, MT= 22 | RECORD NUMBER | 1315 |
| SECTION 5/ 22 NOT IN DIRECTORY            |               |      |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 5, MT= 28 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 5, MT= 28 | RECORD NUMBER | 1421 |
| SECTION 5/ 28 NOT IN DIRECTORY            |               |      |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=3649, MF= 5, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3649, MF= 5, MT= 91 | RECORD NUMBER | 1478 |
| SECTION 5/ 91 NOT IN DIRECTORY            |               |      |

• **psyche Warnings:**

- Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 1 / AT RESONANCE ENERGY 6.85700E+04 EV. THE GAMMA WIDTH 7.50000E-02 DEVIATES TOO MUCH FROM THE AVERAGE 2.55110E-01 (0): Gamma width*

- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 1  
AT RESONANCE ENERGY 6.85700E+04 EV. THE GAMMA WIDTH 7.50000E-02 DEVIATES TOO MUCH FROM THE AV
2. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 1 / AT RESONANCE ENERGY 1.77910E+05 EV. THE GAMMA WIDTH 7.65000E-02 DEVIATES TOO MUCH FROM THE AVERAGE 2.55110E-01 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 1  
AT RESONANCE ENERGY 1.77910E+05 EV. THE GAMMA WIDTH 7.65000E-02 DEVIATES TOO MUCH FROM THE AV
3. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.81600E+04 EV. THE GAMMA WIDTH 1.29000E-01 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 8.81600E+04 EV. THE GAMMA WIDTH 1.29000E-01 DEVIATES TOO MUCH FROM THE AV
4. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 1.24830E+05 EV. THE GAMMA WIDTH 3.95000E-01 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 1.24830E+05 EV. THE GAMMA WIDTH 3.95000E-01 DEVIATES TOO MUCH FROM THE AV
5. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 2.67600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 2.67600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
6. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 2.86800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 2.86800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
7. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE*



ENERGY 3.09700E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 3.09700E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

8. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 3.17100E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 3.17100E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

9. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 3.65600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 3.65600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

10. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 3.66800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 3.66800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

11. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 3.93000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 3.93000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

12. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 3.97600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 3.97600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

13. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 4.15600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 4.15600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

14. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 4.34500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 4.34500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

15. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 4.41800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 4.41800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

16. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 4.48600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 4.48600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

17. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 4.66900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 4.66900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

18. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 4.81800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 4.81800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
19. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 4.98900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 4.98900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
20. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 5.06500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 5.06500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
21. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 5.26100E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 5.26100E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
22. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 5.32200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 5.32200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
23. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 5.33200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 5.33200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
24. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE*

ENERGY 5.46000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 5.46000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

25. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 5.47900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 5.47900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

26. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 5.93300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 5.93300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

27. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 5.95200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 5.95200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

28. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 6.19000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 6.19000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

29. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 6.26100E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 6.26100E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

30. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 6.48000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 6.48000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

31. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 6.80700E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 6.80700E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

32. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 6.86300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 6.86300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

33. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 6.94300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 6.94300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

34. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 7.12800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 7.12800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

35. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 7.18800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 7.18800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
36. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 7.26400E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 7.26400E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
37. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 7.30400E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 7.30400E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
38. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 7.36200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 7.36200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
39. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 7.52500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 7.52500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
40. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 7.87200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 7.87200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
41. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE*

ENERGY 8.29800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.29800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

42. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.32000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.32000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

43. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.43000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.43000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

44. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.52800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.52800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

45. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.68500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.68500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

46. Gamma width not in agreement with PSYCHE's expectations

FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.75000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.75000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

47. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.77800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.77800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

48. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.80300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.80300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

49. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 8.98000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 8.98000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

50. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.02500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 9.02500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

51. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.05300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 9.05300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

52. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.08600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*



- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 9.08600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
53. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.13600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 9.13600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
54. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.14900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 9.14900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
55. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.18800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 9.18800E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
56. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.24600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 9.24600E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
57. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.32300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*
- FILE 2  
SECTION 151  
ISOTOPE MASS = 86. L = 2  
AT RESONANCE ENERGY 9.32300E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV
58. Gamma width not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE*

*ENERGY 9.34200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 9.34200E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

59. Gamma width not in agreement with PSYCHE's expectations

*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.38900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 9.38900E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

60. Gamma width not in agreement with PSYCHE's expectations

*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.41000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 9.41000E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

61. Gamma width not in agreement with PSYCHE's expectations

*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / AT RESONANCE ENERGY 9.46500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AVERAGE 9.84745E-03 (0): Gamma width*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

AT RESONANCE ENERGY 9.46500E+05 EV. THE GAMMA WIDTH 1.00000E-03 DEVIATES TOO MUCH FROM THE AV

62. Strength function in URR not in agreement with PSYCHE's expectations

*FILE 2 / SECTION 151 / ISOTOPE MASS = 86. L = 2 / STRENGTH FUNCTION IS 8.40513E-05 / AVERAGE GAMMA WIDTH 9.84745E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.*

FILE 2

SECTION 151

ISOTOPE MASS = 86. L = 2

STRENGTH FUNCTION IS 8.40513E-05

AVERAGE GAMMA WIDTH 9.84745E-03

... [1 more lines]

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination

*resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel*

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"  
 WARNING: Missing a channel with angular momenta combination L = 1, J = 2.5 and S = 1.5 for "capture"  
 ... plus 4 more instances of this message

2. Potential scattering hasn't converted, you need more L's!  
*resonances / resolved (Error # 1): potentialScatteringNotConverged*

WARNING: Potential scattering hasn't converged by L=2 at E=950000.0 eV, xs[2]/xs[0]=0.182557918427% > 0.1%

3. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.27%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 12: n[multiplicity:'2'] + Kr85 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -9854130.567047119 eV vs -9867290. eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 14: n + H1 + Br85 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -11941784.15460205 eV vs -1.18866e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 17: H1 + Br86-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6841163.320953369 eV vs -6520520. eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 18: H2 + Br85-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -9717218.053665161 eV vs -9576510. eV!

5. Calculated and tabulated Q values disagree.  
*reaction label 19: H3 + Br84-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -12342234.24649048 eV vs -1.23785e7 eV!

6. Calculated and tabulated Q values disagree.  
*reaction label 20: He4 + Se83-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -2276020.987487793 eV vs -2198780. eV!

- njoy2012 Warnings:

1. Evaluation has no unresolved resonance parameters given  
*unresr...calculation of unresolved resonance cross sections (0): No URR*

---message from unresr---mat 3649 has no unresolved parameters  
 copy as is to nout

2. Evaluation has no unresolved resonance parameters given  
*purrr...probabalistic unresolved calculation (0): No URR*

---message from purrr---mat 3649 has no unresolved parameters  
copy as is to nout

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

*grouprr...compute self-shielded group-averaged cross-sections (0): GROUPE/conver (0)*

---message from conver---cannot do complete particle production for mt= 16  
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

*grouprr...compute self-shielded group-averaged cross-sections (1): GROUPE/conver (0)*

---message from conver---cannot do complete particle production for mt= 17  
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

*grouprr...compute self-shielded group-averaged cross-sections (2): GROUPE/conver (0)*

---message from conver---cannot do complete particle production for mt= 22  
only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

*grouprr...compute self-shielded group-averaged cross-sections (3): GROUPE/conver (0)*

---message from conver---cannot do complete particle production for mt= 28  
only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

*grouprr...compute self-shielded group-averaged cross-sections (4): GROUPE/conver (0)*

---message from conver---cannot do complete particle production for mt= 91  
only mf4/mf5 provided